TITLE: DECOUPLING OF WRITE ADDRESS FROM ITS ASSOCIATED WRITE DATA IN A STORE TO A SHARED MEMORY IN A MULTIPROCESSOR SYSTEM (AS AMENDED)
INVENTOR'S NAME: STEVEN L. SCOTT, ET AL.
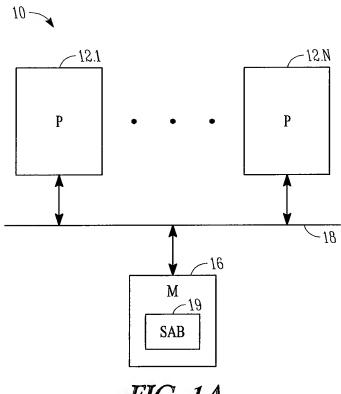SERIAL NO.: 10/643,742   DOCKET NO.: 1376.697US1   REPLACEMENT SHEET

1/5

FIG. 1A

FIG. 1B

TITLE: DECOUPLING OF WRITE ADDRESS FROM ITS ASSOCIATED WRITE DATA IN A STORE TO A SHARED
MEMORY IN A MULTIPROCESSOR SYSTEM (AS AMENDED)
INVENTOR'S NAME: STEVEN L. SCOTT, ET AL.
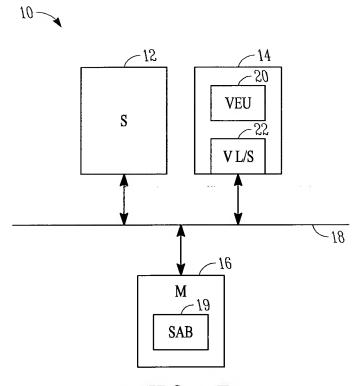SERIAL NO.: 10/643,742 DOCKET NO.: 1376.697US1   REPLACEMENT SHEET
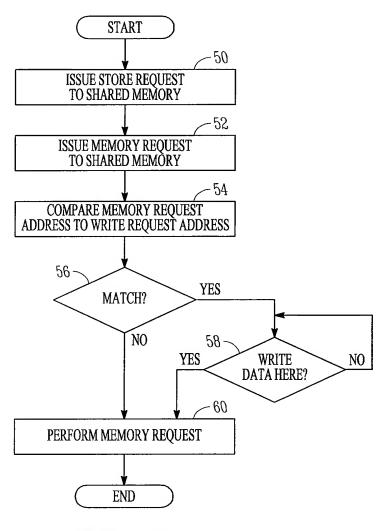
2/5

FIG. 2A

TITLE: DECOUPLING OF WRITE ADDRESS FROM ITS ASSOCIATED WRITE DATA IN A STORE TO A SHARED
MEMORY IN A MULTIPROCESSOR SYSTEM (AS AMENDED)
INVENTOR'S NAME: STEVEN L. SCOTT, ET AL.
SERIAL NO.:   10/643,742   DOCKET NO.:   1376.697US1   REPLACEMENT SHEET

3/5

START

GENERATE A WRITE ADDRESS FOR A MEMORY WRITE, WHEREIN THE WRITE
REQUEST ADDRESS POINTS TO A MEMORY LOCATION IN THE SHARED MEMORY
— 70

TRANSFER A WRITE REQUEST TO THE SHARED MEMORY,
WHEREIN THE WRITE REQUEST INCLUDES THE WRITE REQUEST ADDRESS
— 71

NOTE THE WRITE REQUEST ADDRESS IN THE SHARED MEMORY
— 72

ENFORCE MEMORY ORDERING IN SUBSEQUENT LOAD AND STORE REQUESTS
TO THE WRITE REQUEST ADDRESS UNTIL THE WRITE DATA ASSOCIATED
WITH THE WRITE REQUEST IS WRITTEN INTO THE SHARED MEMORY
— 73

TRANSFER THE WRITE DATA TO THE SHARED MEMORY IN INSTRUCTION
ORDER ACROSS THE NETWORK WITHOUT THE WRITE REQUEST ADDRESS
WHEN CORRESPONDING WRITE DATA BECOMES AVAILABLE
— 74

PAIR, WITHIN THE SHARED MEMORY, THE WRITE REQUEST ADDRESS
WITH THE SEPARATELY TRANSFERRED CORRESPONDING WRITE DATA
— 75

STORE THE WRITE DATA INTO SHARED MEMORY
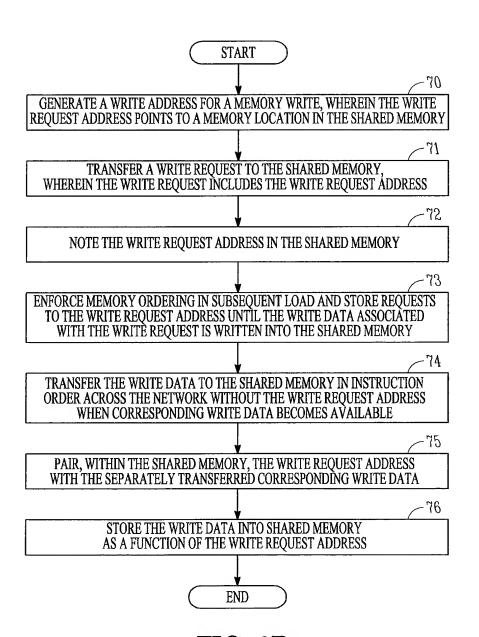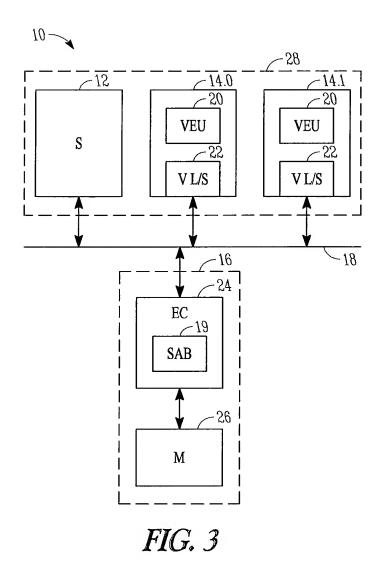AS A FUNCTION OF THE WRITE REQUEST ADDRESS
— 76

END

FIG. 2B

TITLE: DECOUPLING OF WRITE ADDRESS FROM ITS ASSOCIATED WRITE DATA IN A STORE TO A SHARED
MEMORY IN A MULTIPROCESSOR SYSTEM (AS AMENDED)
INVENTOR'S NAME: STEVEN L. SCOTT, ET AL.
SERIAL NO.: 10/643,742 DOCKET NO.: 1376.697US1   REPLACEMENT SHEET

4/5

FIG. 3

TITLE: DECOUPLING OF WRITE ADDRESS FROM ITS ASSOCIATED WRITE DATA IN A STORE TO A SHARED
MEMORY IN A MULTIPROCESSOR SYSTEM (AS AMENDED)
INVENTOR'S NAME: STEVEN L. SCOTT, ET AL.
SERIAL NO.:   10/643,742   DOCKET NO.:   1376.697US1   REPLACEMENT SHEET

5/5

FIG. 4